

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )  
John P. CARULLI et al. ) Group Art Unit: Unassigned  
Application No.: Divisional of U.S. Serial No. ) Examiner: Unassigned  
                          09/544,398 ) Confirmation No.: Unassigned  
Filed: December 10, 2003 )  
For: HIGH BONE MASS GENE OF 11q13.3 )  
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**FIRST**  
**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98.

This statement is being submitted within three (3) months of the filing of this application or before the first Office Action on the merits, within the time period set forth in C.F.R. § 1.97(b).

Copies of the listed documents were previously made of record in prior Application Serial No. 09/544,398, filed April 5, 2000, upon which Applicants rely for the benefits provided in 35 U.S.C. § 120. In accordance with 37 C.F.R. § 1.98(d), copies of the listed documents are not enclosed.

Information Disclosure Statement  
Application No. New Application  
Attorney's Docket No. 032796-217  
Page 2

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner-initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: December 10, 2003

By:   
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Substitute for form 1449A/PTO		ATTORNEY'S DKT NO. 032796-217	APPLICATION NO. Unassigned
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT John P. CARULLI <i>et al.</i>	
		FILING DATE December 10, 2003	GROUP Unassinged

U.S. PATENT DOCUMENTS						
Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)		
	Number	Kind Code (if known)				
	5,691,153		Robert R. RECKER <i>et al.</i>	11-25-1997		
	6,545,137		Todd <i>et al.</i>	04-08-2003		
	6,555,659		Todd <i>et al.</i>	04-29-2003		
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	No
	WO 99/47529		PCT	09-23-1999		
	WO 97/12903		PCT	04-10-1997		
	WO 99/09054		PCT	02-25-1999		
	WO 98/46743		PCT	10-1998		
NON-PATENT LITERATURE DOCUMENTS						
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
	Annex Form PCT/ISA/206 Communication Relating to the Results of the Partial International Search attached to Invitation to Pay Additional Fees dated May 7, 2001 in PCT/US00/16951 filed on June 21, 2000					
	A. COURSEAUX <i>et al.</i> , "Homo Sapiens Chromosome 11 Clone BAC67-M-5 MAP 11q13, *** Sequencing in Progress ****, 3 Ordered Pieces", Database EM_HTG, E.B.I., Hinxton, U.K., Accession Number: AC024123, March 2, 2000, XPO02165276, Abstract					
	D.L. KOLLER <i>et al.</i> , "Linkage of a QTL Contributing to Normal Variation in Bone Mineral Density to Chromosome 11q12-13", J. Bone Miner. Res., Vol. 13, No. 12, pp. 1903-1908, December 1998, Blackwell Science, Inc., American Society for Bone and Mineral Research, USA					
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	Marion TROMMSDORFF <i>et al.</i> , "Interaction of Cytosolic Adaptor Proteins with Neuronal Apolipoprotein E Receptors and the Amyloid Precursor Protein", J. Biol. Chem., Vol. 273, No. 50, pp. 33556-33560, December 1998, The American Society for Biochemistry and Molecular Biology, Inc., USA					
	G. SCHNEIDER <i>et al.</i> , "Formation of Focal Adhesions by Osteoblasts Adhering to Different Substrata", Experimental Cell Research, Vol. 214, No. 1, pp. 264-269, September 1994, Academic Press, Inc., USA					
	Frederick M. PAVALKO <i>et al.</i> , "Fluid Shear-Induced Mechanical Signaling in MC3T3-E1 Osteoblasts Requires Cytoskeleton-Integrin Interactions", Am. J. Physiol., Vol. 275, No. 6 (Pt1), pp. C1591-1601, December 1998, The American Physiological Society, USA					
	Mark L. Johnson <i>et al.</i> , "Linkage of a Gene Causing High Bone Mass to Human Chromosome 11 (11q12-13)", Am. J. Hum. Genet., Vol. 60, No. 6, pp. 1326-1332, June 1997, The American Society of Human Genetics, USA					
	Dong-Ho KIM <i>et al.</i> , "A New Low Density Lipoprotein Receptor Related Protein, LRP5, is Expressed in Hepatocytes and Adrenal Cortex, and Recognizes Apolipoprotein E", J. Biochem., Vol. 124, No. 6, pp. 1072-1076, December 1998, The Japanese Biochemical Society, JAPAN					
Examiner Signature			Date Considered			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

Substitute for forms 1449A/PTO & 1449B/PTO	ATTORNEY'S DKT NO. 032796-217	APPLICATION NO. Unassigned
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	APPLICANT John P. Carulli et al.	FILING DATE December 10, 2003
	GROUP Unassigned	

NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	JOHNSON ET AL., <i>Journal of Bone and Mineral Research</i> , 11 (Supplement 1):S255, abstract S661, August 1996
	NAKAGAWA ET AL., "Fine Mapping of the Diabetes-Susceptibility Locus, IDDM4, on Chromosome 11q13", <i>American Journal of Human Genetics</i> , 63(2): 547-56 (Aug 1998)
	HEY ET AL., "Cloning of a Novel Member of the Low-Density Lipoprotein Receptor Family," <i>Gene</i> 216: 1:103-111 (1998)
	DONG ET AL., "Molecular Cloning and Characterization of LR, Novel LDL Receptor Family Protein with Mitogenic Activity", <i>Biochemical and Biophysical Research Communication</i> , 251:(3) 784-90 (Oct 29, 1998)
	BOLLAG ET AL., "Osteoblast-Derived Cells Express Functional Glucose-Dependent Insulinotropic Peptide Receptors", <i>Endocrinology</i> , 141:1228-1235, 2000
	ZIEGLER ET AL., "Glucocorticoid-Induced Osteoporosis: Prevention and Treatment", <i>Steroids</i> , 63:344-348, 1998
	KUNDU ET AL., "Role of Polypeptides in the Treatment and Diagnosis of Osteoporosis", <i>Peptides</i> , 20:523-537, 1999
	RODAN ET AL., "Therapeutic Approaches to Bone Diseases", <i>Science</i> , 289:1508-1514, 2000
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	VERMA ET AL., "Gene Therapy, Promises, Problems, and Prospects", <i>Nature</i> , 389:239-242, 1997
	ANDERSON, "Human Gene Therapy", <i>Nature</i> , 392:25-30, 1998
	WALTHER ET AL., "Viral Vectors for Gene Transfer". <i>Drugs</i> . 60:249-271. 2000

Examiner Signature		Date Considered	
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